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FIGURE 1:	FIGURE 1: Alignment of Delta-4 16:0 Desaturases From English Ivy (SEQ ID NO:2) and Coriander (gi 417819)
SEQ ID 2	MALKINFQCKKNHPAAFAKSPLPVTRVSSPRVFMASTVNSNSMVLDNLKSPPNLQVTHSMPPQKLEIFKSLDDWARNNVLIHLKSV
417819	MAMKLNALMTLQCPKRNMFTRIAPPQAGRVRSKVSMASTLHASPLVFDKLKAGRPEVDELFNSLEGWARDNILVHLKSV
SEQ ID 2	EKSWQPQDYLPDPVSDGFEEQVRELRERAKEIPDDYFVVLVGDMITEEALPTYMSMLNRCDGIKDETGAEPSAWAMWTRAWTAEENRHGD
417819	ENSWQPQDYLPDPTSDAFEDQVKEMRERAKDIPDEYFVVLVGDMITEEALPTYMSMLNRCDGIKDDTGAQPTSWATWTRAWTAEENRHGD
SEQ ID 2 417819	LLNKYLYLSGRVDMRKIEKTIQYLIGSGMDIKSENSPYLGFIYTSFQERATFISHANTAKLAQHYGDKNLAHICGSIASDEKRHATAYTK LLNKYLYLSGRVDMRMIEKTIQYLIGSGMDTKTENCPYMGFIYTSFQERATFISHANTAKLAQHYGDKNLAQVCGNIASDEKRHATAYTK
SEQ ID 2	IVEKLAEIDPDTTVIAFADMMRKKITMPAHLMYDGSDELLFKHFTAVAQRVGVYSALDYCDILEFLVDKWNVERLTGLSDEGRKAQEYVC
417819	IVEKLAEIDPDTTVIAFSDMMRKKIQMPAHAMYDGSDDMLFKHFTAVAQQIGVYSAWDYCDIIDFLVDKWNVAKMTGLSGEGRKAQEYVC
SEQ ID 2	ELGPKIRRVEEKVQGKEKKKKAEHPVSFSWIFNRELKI
417819	SLAAKIRRVEEKVQGKEKKAVLPVAFSWIFNRQIII
Figure 2:	Alignment of Acyl Car
SEQ ID 4	MASVTASSISFTSIASSLKQNQGLAKSSISLSVNGKSFRSLRLLSAPLRFRVSCAAKPATVDKVCEIVRKQLALPLILQVTGESKFAALG
SEQ ID 6	MASVTASSISFTSIASSLKQNQGLAKSSISLSVNGKSFRSLRLLSAPLRFRVSCAAKPATVDKVCEIVRKQLALPADSAVTGESKFAALG
5669599	MAAFTASSVSFTPLSISLNQTKGFARGSVSIPAKAKSFGALTLRNAPLRFRVSCAAKPETVEKVCEIVKKQLALPPTTEVSGDSKFAALG
SEQ ID 4	ADSLDTVEIVMGLKEEFGIKRGKK
SEQ ID 6	ADSLDTVEIVMGLEEEFGISVEEESAQTIATVQDAADLIEKLVEKKE
5669599	ADSLDTVEIVMGLEEEFGISVEEESAQAIATVQDAADLIEKLCEKKE